

FROM		DATE	
TSSG/ESD		14 Apr 69	
TO	INITIALS	DATE	REMARKS
DIRECTOR			
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EXEC/DIRECTOR			
SPECIAL ASST			
ASST TO DIR			
ASST TO DEP/DIR			
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EO/PPBS			
CH/IEG			
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DEP CH/TSSG			
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CH/SSD/TSSG			
PERSONNEL			
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DIR/IAS/DDI			
CH/DIAXX-4			
CH/DIAAP-9			

Declass Review by NGA.

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02288

NPIC/TSSG/ESD-29-69  
14 April 1969

MEMORANDUM FOR: Executive Director, NPIC  
THROUGH: Chief, Technical Services & Support Group, NPIC  
SUBJECT: Status Report, 1540 Light Table

1. This memorandum is in response to the Executive Director's request for bi-weekly status report on the   1540 Light Table. 25X

2. On 28 March the manufacturer did successfully increase the maximum light output to meet the specified brightness of 3,000 foot-lamberts at the center of each stage. The variation in brightness from the center to the sides was not affected by this adjustment and therefore is still excessive.

3. From 26 March through 11 April, the 1540 has been undergoing operational testing in IAS. The following unanimous statements have been drawn from reports submitted by three IAS operators:

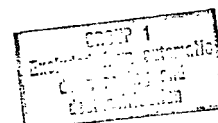
a) The high light intensity without excessive heat is very satisfactory and desirable. (Light fall-off was not mentioned.)

b) The optics mounting is considered adequately stable.

c) The x-y joystick control for positioning the microscope is basically very good but needs minor refinements. The controls should be relocated and the joystick itself should be larger.

d) Slow speed film control for scanning and positioning is poor. All three report that the electrical/mechanical handwheel is not desirable. The motor speed control knob is more useful. They want it improved and the handwheel eliminated.

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e) The film spool holders do not function satisfactorily for 70 mm film.

f) The motorized table elevating mechanism is convenient but because it is used so seldom they would prefer a manual crank.

4. The operational suitability schedule for the 1540 Light Table has been changed somewhat due to the continued slippage of the Mod II Rhomboid program. The prototype 1540 table is now proceeding as follows:

IEG	- 10 March to 26 March
IAS	- 26 March to 14 April
IEG	- 14 April to 28 April
IAS	- 28 April to 5 May
DIAAP-9	- 5 May to 12 May
Army/Spad	- 12 May to 19 May



25X

Chief

Engineering Support Division, TSSG

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